

TABLE OF CONTENTS

Chapter 1: Illinois Coastal Management Program Overview

Program Development and Coordination
Core Program Elements
What has Changed?
New Program Development Efforts
Program Development Goals

Chapter 2: Physical Characteristics of the Illinois Coast

Introduction
Political Geography
- *Figure 2-1 Municipalities of the Illinois Coastal Zone*
Coastal Geomorphology
- *Zion beach-ridge plain*
- *Bluff coast*
- *Figure 2-2 Illinois Coastal Geomorphic Divisions*
- *Chicago lake plain*
Coastal Geology
- *Upland Sediments and Bedrock*
- *Beach Sediments*
Coastal Processes
- *Wind and Waves*
- *Lake Level and Lake-Level Change*
- *Table 2-1 Lake Michigan water levels for several commonly referenced datums*
- *Short-Term and Sudden Lake-Level Change*
- *Beach and Nearshore Ice*
- *Littoral Transport*
Geologic History of the Illinois Coast
- *Overview*
- *Figure 2-3 Lake Michigan lake level elevations*
- *Landscape Shaping by Glacial Processes*
- *Landscape Reshaping by Coastal Processes*
Watersheds and Drainage
- *Figure 2-4 Five Major Watersheds of the Chicago area*
- *Figure 2-5 Rivers, Streams and Waterways of the Chicago area*
History of Engineering the Chicago River
History of Engineering the Little Calumet River
Lake Michigan Flow Diversion
Historical Shoreline Change
- *General*
- *Chicago Lakeshore*
- *North Point Marina Vicinity*
- *Figure 2-6 Historical Shoreline Change*
- *Waukegan Harbor Vicinity*
- *Lake Calumet Vicinity*
- *Other Notable Shoreline Modifications*
- *Figure 2-7 Contrasts in Long-term Shoreline Change between Wisconsin state line and Waukegan*

- *Figure 2-8 Historical Shorelines in the vicinity of Lake Calumet*
References

Chapter 3: Defining the Illinois Coastal Zone Boundary

Overview

Federal Requirements and Guidelines

Requirement for Excluded Land and Water Areas

Framework for the Illinois Coastal Boundary

A Two-Component Inland Boundary

Public Input on the Illinois Coastal Zone Boundary

Lakeward Extent of the Illinois Coastal Zone

Procedure in Defining the Inland Coastal Zone Boundary

- *Figures 3-1 and 3-2 showing Lakeward extent of Boundary*

Organization of the Coastal Zone Boundary Maps

Description of the Lakeshore Coastal Zone Boundary

- *Figure 3-3 Index map for Lake County*

- *Figure 3-4 Index map for northern Cook County*

- *Figure 3-5 Index map for southern Cook County*

Description of the Inland Waterway Coastal Zone Corridors

- *Figure 3-6 Index for Inland Waterway Corridors*

Coastal Boundary Junction with Neighboring States

- *Figure 3-7 showing coastal zone boundaries of Illinois, Indiana and Wisconsin*

Chapter 4: Coastal Erosion and Erosion Mitigation Planning

Introduction

Background

- *Coastal Erosion in the Natural Setting*

- *Lake Level Influence on Coastal Erosion*

Lake Level Influence on Coastal Erosion

Four Categories of Illinois Coastal Erosion

- *Shore Erosion*

- *Bluff Erosion*

- *Lakebed Erosion*

- *Waterway Bank Erosion*

Historical Mitigation of Coastal Erosion

- *Shore-Protection Structures*

- *Headland Beach Systems*

- *Lakefill*

- *Beach Nourishment*

Permitting Projects for Coastal Erosion Control

ICMP Coastal Erosion Assessment and Planning

Coastal Erosion Areas of Significance

- *Illinois Beach State Park*

- *Nearshore Lakebed*

References

Chapter 5: Shore Access and Recreation

Introduction

Definition of a Beach

Distinction between Public and Private Beaches

Distribution of Public Beaches along the Illinois Lake Michigan Shore

- *Figure 5-1 Public Beaches associated with lakeshore municipalities*

Public Beach-User Fees

Public Beaches along Lake Calumet and Wolf Lake

Municipal Public Land Bordering the Inland Waterways

- *Figure 5-2 Parkland in the Calumet area*

- *Figure 5-3 Parks and Public Space within the Inland Waterways*

Public Access along the Coastal Ravines

State-Managed Coastal Zone Parks and Recreation Areas

County-Managed Coastal Zone Parkland and Public Areas

Boating Access along the Lake Michigan Shore

- *Figure 5-4 Recreational Harbors/Marinas, Boat Launch Facilities and Beaches*

Boating Access along the Inland Waterways

Lake Michigan Underwater Parks

Planning and Management Challenges

- *Maintaining Existing Access and Recreation*

- *Enhancing Existing Access and Recreation*

- *Identifying Potential New Access and Recreation Venues*

- *Planning for New Access and Recreation*

ICMP Integration into Existing IDNR Access and Recreation Planning Procedures

References

Chapter 6: Special Management Areas

Public Outreach

Collation of Issues and Areas Meriting Special Attention

Role of the Technical Advisory Groups (TAGs)

TAG Issue Paper Development Process and Guidelines

TAG Issue Paper Summary

Program Requirements for APC and APR

APC and APR Analysis for ICMP Purposes

ICMP Inventory and Designation of APC and APR

General APC Descriptions

APC Summary

APR Description

- *Criteria for APR Designation*

- *Designating APRs*

Chapter 7: Program Organization and Implementation

ICMP Lead Agency

ICMP Administrative Office – IDNR Office of Resource Conservation

ICMP Program Implementation

ICMP Technical Advisory Committee

ICMP Coastal Advisory Group

Chapter 8: Coastal Management Program Funding and Grants Program

ICMP Administration, Management and Enhancement Grants
Section 306/306A Federal Grant Funding Guidance and Allocations
Administrative Grants (Section 306)
Resource Management Improvement Grants (Section 306A)
Coastal Zone Enhancement Grants (Section 309)
ICMP Grants Program

- *Overview*
- *Goals and Objectives*
- *Eligible Recipients for ICMP Grants Program Assistance*
- *General Category Examples of Eligible Projects*
- *General Category Examples of Non-Eligible Projects*
- *Identifying Annual Priority Issues and Emphasis Areas for the ICMP Grants Program*

Chapter 9: Management Policies and Authorities

General Requirements
Identification of Land and Water Use Authorities for the Purposes of the ICMP

- *Geographic and Political Considerations*
- *Water Dependency Considerations*
- *Urban Development Considerations*
- *Summary of Considerations*

Categories of Land and Water Uses subject to the ICMP
Management Authorities by Category

- *Category 1: Public Waters, Navigation, and the Public Interest*
- *Category 2: Erosion and Flooding*
- *Category 3: Water Quality and Water Supply*
- *Category 4: Habitats, Ecosystems, and Natural Areas*
- *Category 5: Historic, Archaeological, and Cultural Resources*
- *Category 6: Recreation and Public Access*
- *Category 7: Economic Development*
- *Category 8: Energy Facilities and Air Quality*

Overview of ICMP Authorities by State Agencies, Boards and Commissions
ICMP Statutory Authorities, Policies and Programs by State Agency
Land and Water Uses of Regional Benefit

Chapter 10: Energy Facility Planning Process

Program Requirements
Existing Energy Facilities Located within the ICMP Boundary
Deepwater Ports including terminals and Navigable Waterways
Energy Policy and Planning Authorities and Initiatives
Governor Executive Orders (EO) and Initiatives
State Regulations Specific to Energy Facilities
Other State Regulations by Agency
National Interest

Chapter 11: Federal Consistency and the National Interest

Overview

Federal-State Consultation Requirements

Identifying the National Interests

Federal Consistency Regulations

General Federal Consistency Requirements and Objectives

Federal Actions subject to Federal Consistency

Federal Agency Activities

Federal Licenses or Permits

Federal Assistance to State and Local Governments

ICMP Federal Consistency Review Procedures

List of Federal Agency Activities and Development Projects subject to Federal Consistency

List of Federal Licenses and Permits subject to Federal Consistency

Enforceable Policies

Chapter 12: Coastal Nonpoint Source Pollution Program

Overview

Program Objectives and General Requirements

Existing Water Quality Management Plans and Programs in Illinois

- *Illinois Nonpoint Source Management Program*

- *Certification of IEPA Authorities*

- *Best Management Practices*

- *Illinois NPS Program Initiatives*

IEPA Land Use Categorical Assessment

- *Agricultural Source Category*

- *Forestry Source Category*

- *Urban/Rural Areas Source Category*

- *Marinas and Recreational Boating Source Category*

- *Hydromodifications and Wetlands Source Category*

IDNR and IEPA Plan for Coastal NPS Program Development

Chapter 13: Interim Responses to Public Comments

Comments and responses to the Scoping Document

Comments and responses from the Open House and Public Forums

APPENDIX A: COASTAL ZONE BOUNDARY MAPS (15 TOTAL) AND DETAILED WRITTEN DELINEATION OF THE COASTAL ZONE BOUNDARY

APPENDIX B: TECHNICAL ADVISORY GROUP (TAG) ISSUE PAPERS

Coastal Erosion along the Illinois Coastal Zone

Habitat, Ecosystem and Natural Area Restoration

Ravine Systems in the Lake Michigan Watershed, Illinois

Public Access and Recreational Resources

Historic and Cultural Feature Preservation

Education and Public Awareness

Illinois Beach State Park and North Point Marina including the Dead River and Kellogg Creek Watersheds

Waukegan Harbor, Waukegan Lakefront, and Waukegan River Watershed

Chicago River and North Shore Channel Corridors

Lake Calumet and Calumet River Area

Little Calumet and Grand Calumet River Corridor

APPENDIX C: THE CZMA and CROSS-REFERENCE TO PROGRAM REQUIREMENTS

**APPENDIX D: LIST OF LOCAL, STATE, AND FEDERAL AGENCIES AND
ORGANIZATIONS RECEIVING INFORMATION DURING THE PUBLIC
COMMENT PERIOD FOR THE ICMP SCOPING DOCUMENT AND P/DEIS**